Fig. 1

Fig. 2

Note:
R3 = 2 × R6 = 4 × R9

Fig. 3

Fig. 4

Flat Panel Unit

Graphics Adapter

PC System Unit
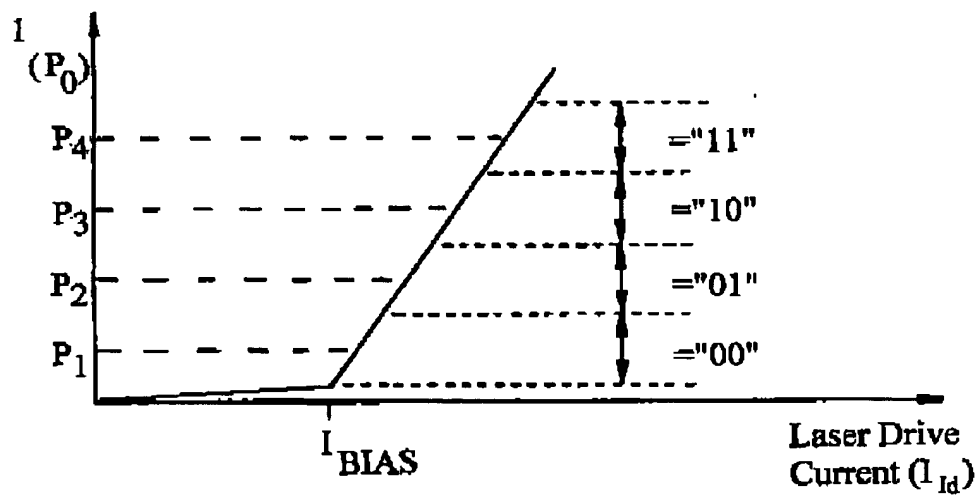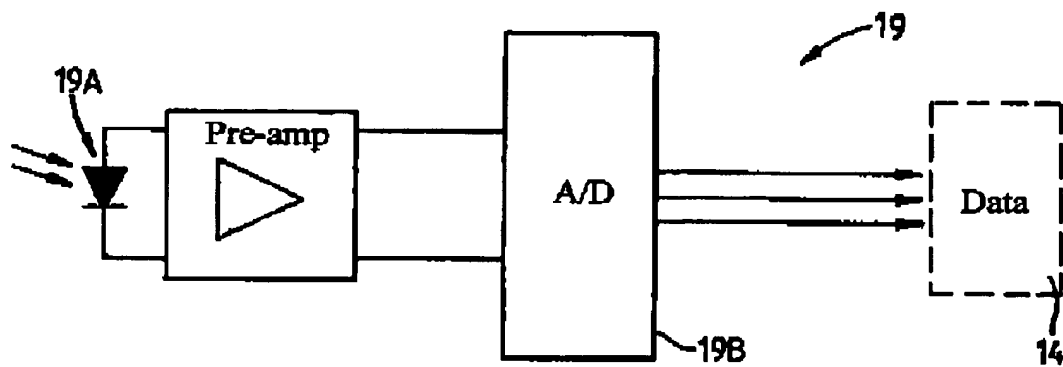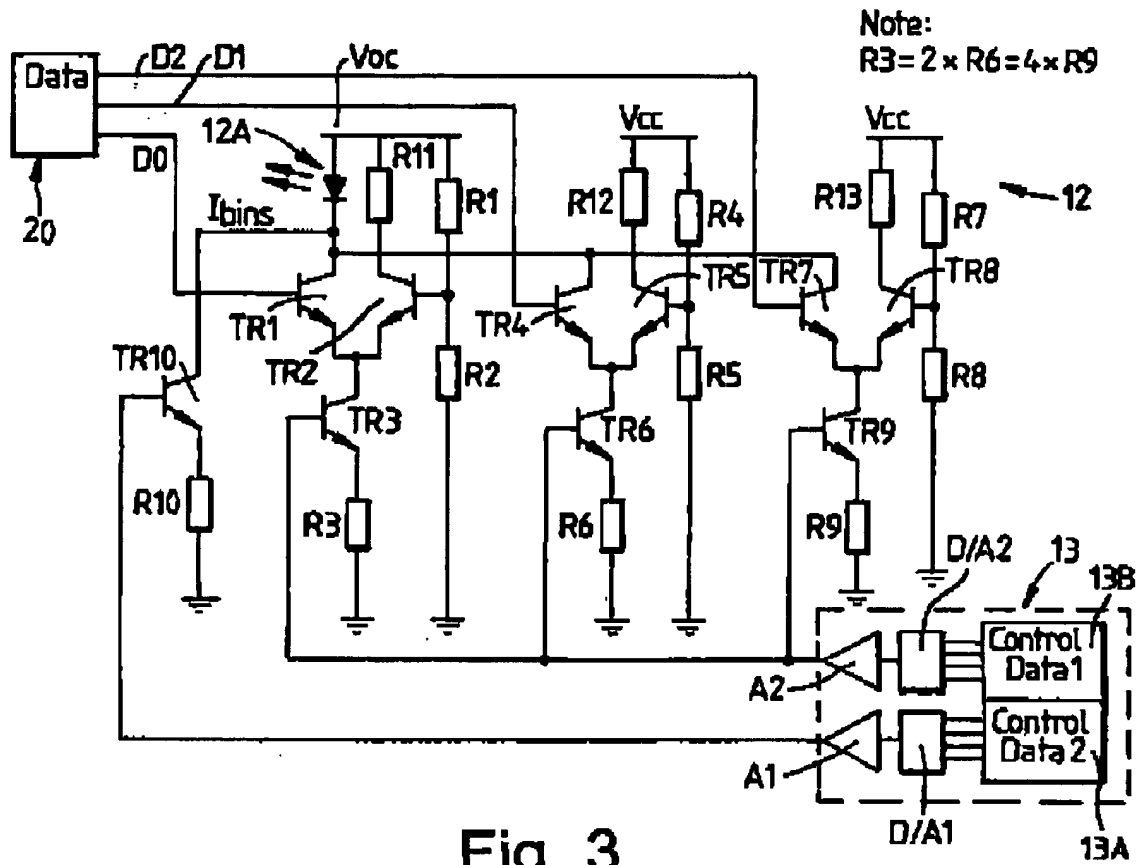
Fig. 5

ALPHA IS MULTI-LEVEL Tx / BINARY Rx, BETA IS MULTI-LEVEL Rx / BINARY Tx
UP/*DOWN_MIN IS A CONTROL SIGNAL USED TO INCREASE OR DECREASE THE
ALPHA LASER BIAS DRIVE CURRENT

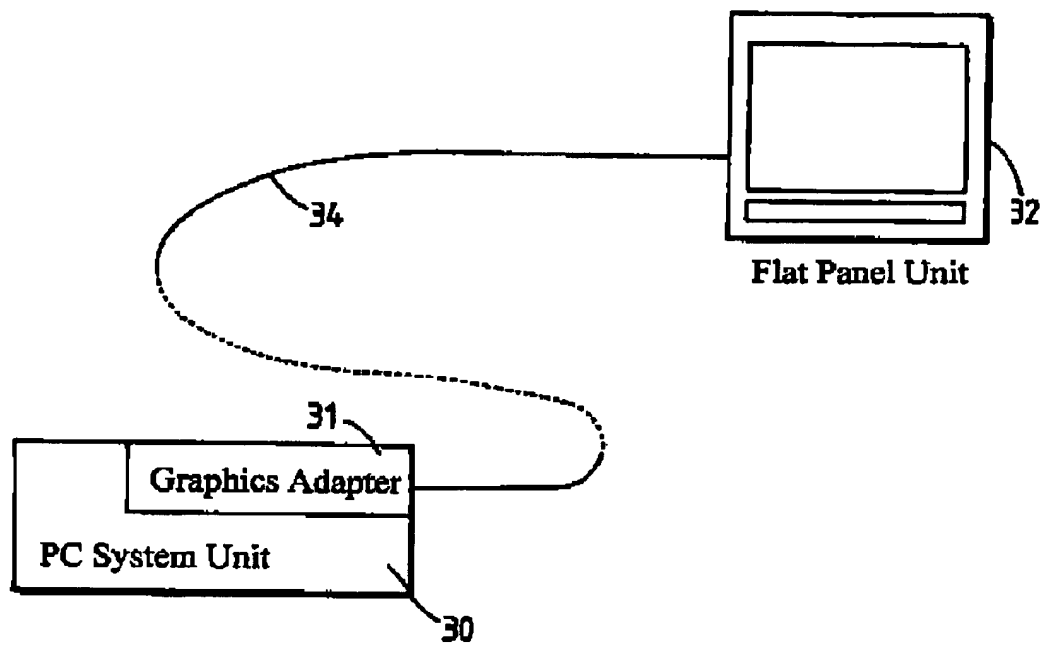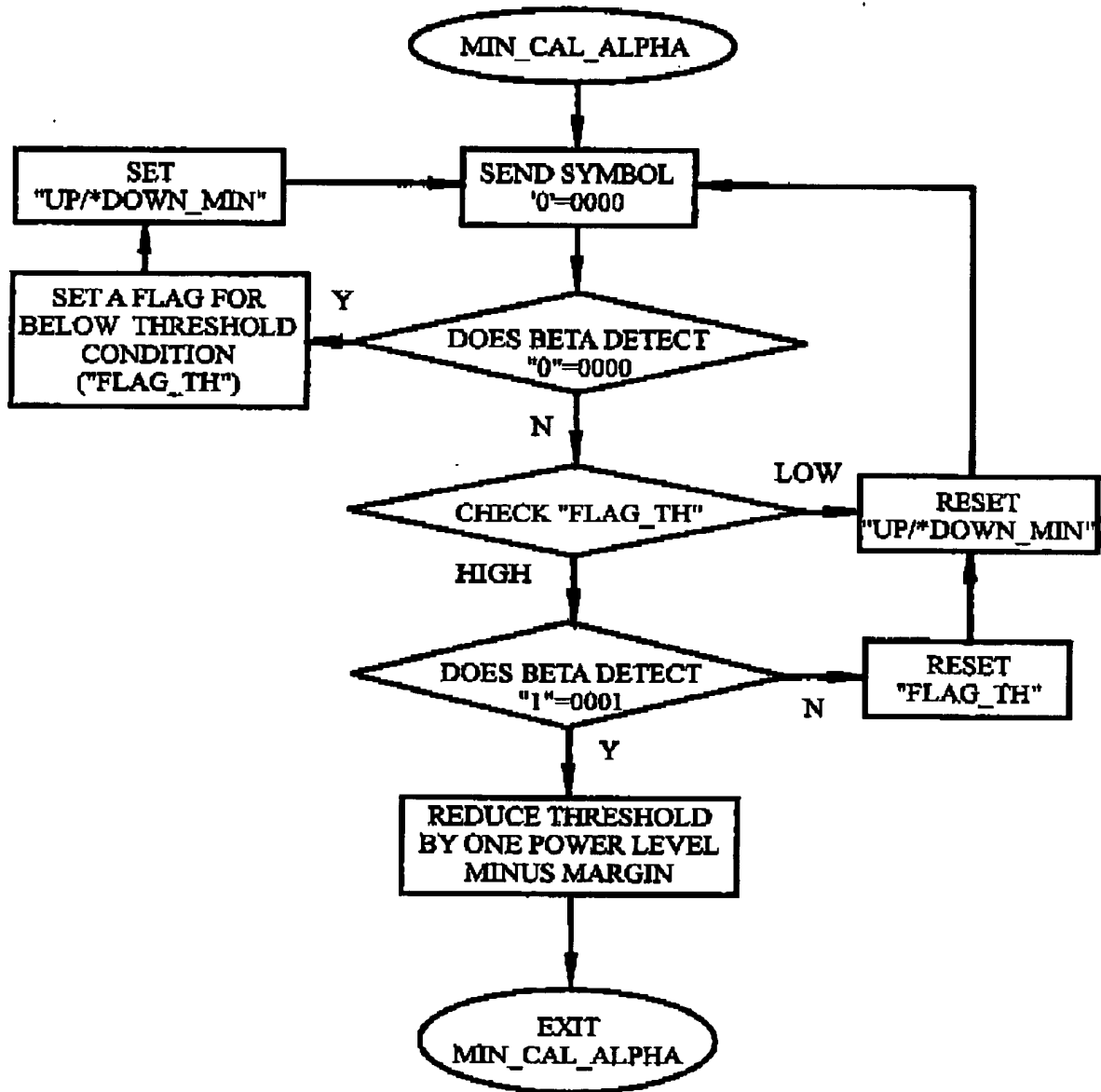INITIAL SIGNAL STATES: UP/*DOWN_MIN='1'TO'0'(INITIATES MIN_CAL_ALPHA)

Fig. 6A

ALPHA IS MULTI-LEVEL Tx / BINARY Rx, BETA IS MULTI-LEVEL Rx / BINARY Tx
UP/*DOWN_MAX IS A CONTROL SIGNAL USED TO INCREASE OR DECREASE THE ALPHA
LASER MODULATION DRIVE CURRENT

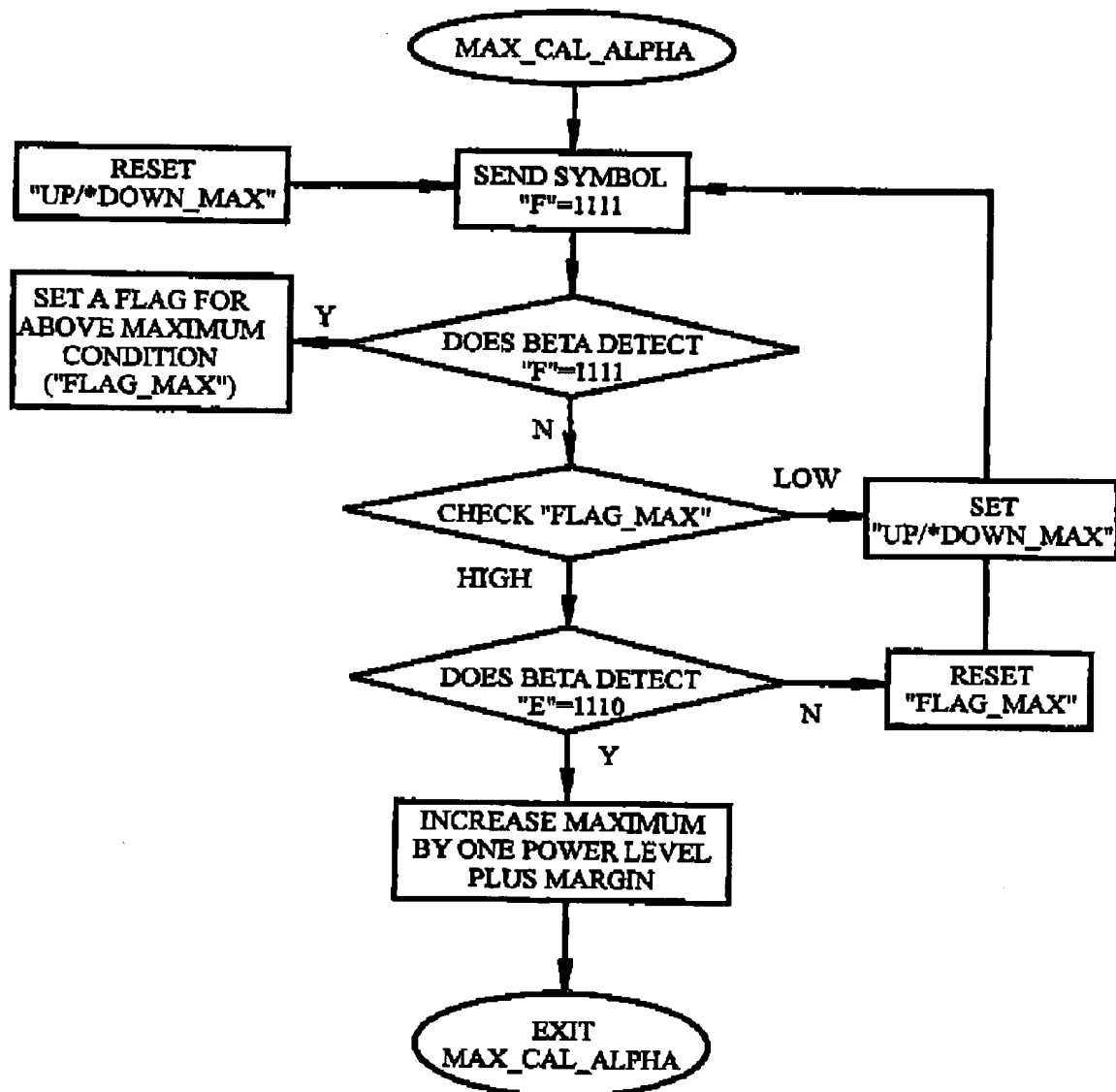INITIAL SIGNAL STATES: UP/*DOWN_MAX='0' TO '1' (INITIATES MAX_CAL_ALPHA)
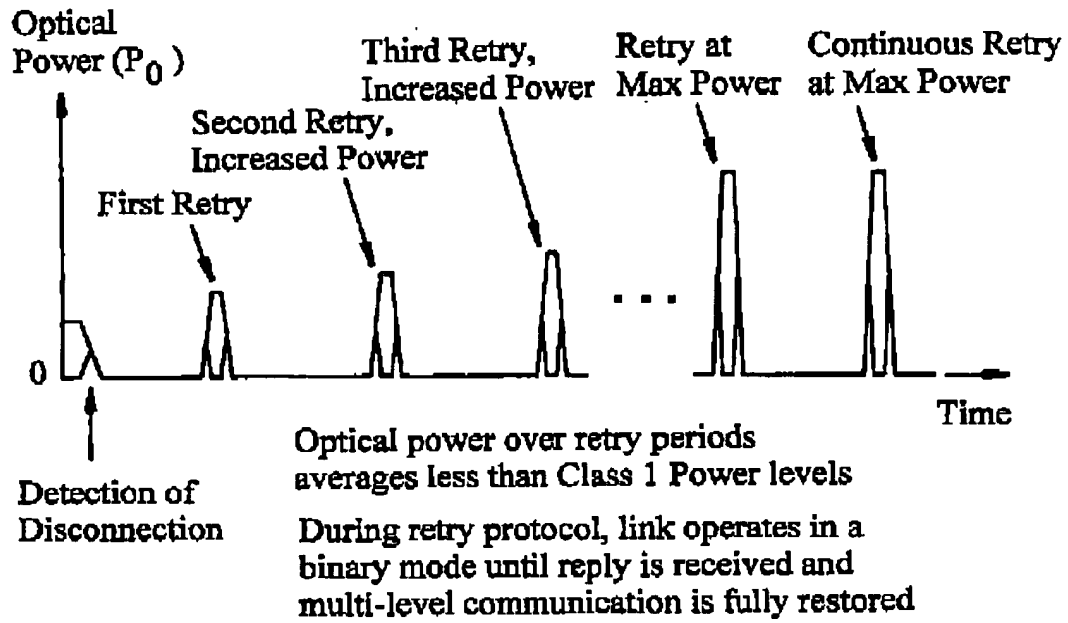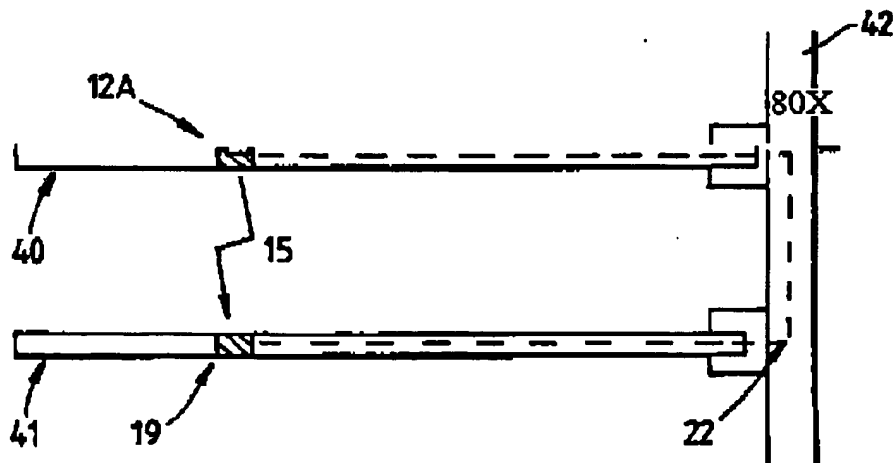

Fig. 6B

Optical
Power (P_0)

Third Retry,
Increased Power

Retry at
Max Power

Continuous Retry
at Max Power

Second Retry,
Increased Power

First Retry

0

Detection of
Disconnection

Optical power over retry periods
averages less than Class 1 Power levels

During retry protocol, link operates in a
binary mode until reply is received and
multi-level communication is fully restored

Time

Fig. 7

12A

42

80X

40

15

41   19

22

Fig. 8